MD iMap Technical Committee Meeting Minutes

Place: Maryland Department of the Environment (MDE): Terra Conference Room (Baltimore, Maryland)
Date: 04/05/11
Time: 1:00 PM   –   3:00 PM

Attendees: **Rowland Agbede (MDA), Michael Bentivegna (CGIS), Ashley Buzzeo (CGIS), Jim Cannistra (MDP), Julia Lukens (DBED), Frank Siano (MDE), Kenny Miller (GIO), Brad Spittel (BMC), Marshall Stevenson (KCI), Brad Wolters (DHCD), Kaushik Dutta (MDTA), Anthony Puzzo (ESRI), and Matt Foley (MDP)**

AGENDA:

- 1:00 – 1:10 Introductions

    o 1:10 – 2:00 Mobile Application Discussion – Anthony Puzzo (Esri)

- 2:00– 2:10 Application Subcommittee Updates

    o 2:10 – 2:15 State Map Application Interface Branding Discussion

- 2:15 – 2:20 Data and Resources Subcommittee Updates

    o 2:25 – 2:20 Eastern Shore Imagery Assimilation

- 2:20 – 2:30 Outreach Subcommittee Updates

- 2:30 – 2:40 Security Subcommittee Updates

- 2:40 – 3:00 State and Local Licensing/MOU/MOA Discussion
  (Private company attendees are asked to step out of the meeting during this discussion)

ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
TUgis Presentation • **Add General Information/Vision slide** • **Verify that Lisa Lowe should be contacted for application or service submission requests** • **Add Directory Structure/ISO organization slide** • **Add Future Visions and Initiatives slide** • **Print Data Submission Policy and Application Submission Policy on different colored paper** • **Include a diagram that shows data moving into MD iMap being displayed in applications (data à MD iMap à Applications)** • **Organize ideas and send to group for comments**	**Updated:** 3/15/11 **Submitted:** 3/1/11	**Ashley Buzzeo, Scott Jeffrey & Julia Lukens**
2007 – 2008 Orthophoto Metadata • **Check availability of metadata for this data**	**Submitted:** 3/1/11	**Ashley Buzzeo**

	Updated: 3/15/11 Submitted: 3/1/11	Technical Committee
MD iMap Fact Sheet • **Review and provide comments to Scott Jeffrey**	Updated: 3/15/11 Submitted: 3/1/11	Technical Committee
Statewide GIS Strategic Plan	Submitted: 1/4/11	GIO
ArcGIS 10 Migration • **CGIS is testing implications of migration** • **Further discussion is necessary concerning this topic**	Updated: 11/16/10 Submitted: 9/21/10	Technical Committee

Application Subcommittee:		
Description:	**Date Assigned:**	**Follow Up By:**
Interface Branding • **Get documentation from Kaushik Dutta to start/restart discussion** • **Schedule App. Committee to discuss App Branding.**	Submitted: 3/15/11 4/5/11	**Kenny Miller Kaushik Dutta**
Developer Contact List • **List to be developed** • **Compile developer point of contact list**	Updated: 12/21/10 4/5/11 Submitted: 11/16/10	**Application Subcommittee, Kaushik Dutta**
Agency Agreement Concerning Posting of Code on MD iMap Portal • **See what documentation exists at other agencies** • **Development of Agency Agreement concerning posting of code to portal.**	Submitted: 10/19/10 4/5/11	**Technical Committee**
Agency Agreement Concerning Posting of Code on MD iMap Portal • **Check for documentation available from existing open API agreements**	Submitted: 10/19/10	**CGIS**
arcgis.com My Maps • **Need to consider how MD iMap services appear when pulled into arcgis.com and suggest potential changes** • **Work with the product and come to next meeting with feedback**	Updated: 3/1/11 Submitted: 2/15/11	**Technical Committee**
Rapid Application Prototype • **Consider if arcgis.com will meet the majority of needs proposed for this effort** • **Proposal updates being implemented** • **CGIS to provide updated proposal based on comments** • **CGIS provided proposal for review and comment** • **CGIS to provide updated cost/hours estimate based on results of Q&A and discussion conducted during 10/19/10 Tech. Comm. meeting** • **CGIS to provide cost/hours estimate by next Tech. Comm. meeting** • **Obtain pricing, based on specifications of application, from CGIS and MES**	Updated: 2/15/11; 12/21/10; 12/7/10; 11/16/10; 10/19/10; 10/5/10; 9/7/10 Submitted:	**GIO, Application Subcommittee, Technical Committee**

Email has been sent out to CGIS and MES from Kenny Miller – awaiting response • **Consolidate list of requirements for a rapid application deployment option (Phase 1)** • **Email consolidated list of requirements to Tech. Comm.** List has been generated and is available for review	7/12/10	
Flex Code Acquisition for MD iMap Portal • **Meeting to be scheduled to discuss next steps** • **Excel spreadsheet inventory being produced by CGIS and MES** • **Actively being pursued** • **Obtain Flex code from CGIS and MES for MD iMap-based applications**	Updated: 1/4/11; 12/21/10; 12/7/10; 11/16/10 Submitted: 10/19/10	**Kaushik Dutta**
Comment on Developer's portion of MD iMap Portal • **Review and provide email comments to Lisa Lowe concerning developer's page that has been added to the MD iMap Portal**	Submitted: 8/4/10	**Technical Committee**

Data & Resources Subcommittee:		
Description:	**Date Assigned:**	**Follow Up By:**
Eastern Shore Imagery Assimilation • **Check server space available versus need** • **Cost estimate for additional storage space for new imagery**	**Submitted:** **3/15/11** **Updated:** **4/5/11**	**Ashley Buzzeo CGIS and Jim Cannistra**
Point of Interest/Place Name Geocoder • **Ashley Buzzeo will work with Brad Wolters to determine if this composite geocoder will meet these additional search criteria needs**	Submitted: 1/18/11	**Ashley Buzzeo; Brad Wolters**
WFS Services • **List of enable services, email to group** • **Top 10 list to be assembled during next Data & Resources Subcommittee meeting**	**Submitted:** **3/15/11** **Updated:** **4/5/11**	**Ashley Buzzeo; Data & Resources Subcommittee**
WFS Services • **Agency sharing policy needed; Exec. Comm. to be consulted**	Submitted: 1/18/11	**GIO; Exec. Comm.**
WFS Service Testing • **Top 10 list to be assembled and MOU issues assessed** • **Executive Committee has requested demo at 4/27/11 meeting** • **Follow up concerning process testing and provide feedback to Tech Comm**	Updated: 3/1/11 Submitted: 1/4/11	**Data and Resources Subcommittee**
Web Mercator Data Service Projection • **Assess costs in labor and storage for creation of MD iMap data services (except imagery) in Web Mercator projection** • **Per MES, EMMA replacement will use Web Mercator projection.**	Submitted: 1/4/11 **Updated:** **4/5/11**	**CGIS**
Metadata Services • **Forward electronic list to group**	Updated: 1/18/11;	**Data and Resources**

• Updated list to be provided by Friday, 1/7/2011 • Updated list to be provided at 1/4/2011 meeting • Remaining "offenders" actively being pursued • Resend email to "offenders" to complete metadata Email resent and follow-up by Kenny Miller to occur • MDP has provided metadata for all their services on MD iMap • Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap • Email sent to Kenny • Agency leads from Tech. Comm. to make progress o Direct contact of data owners • A listing of services for which metadata is needed was provided. It was discussed that some metadata may not be available from the data producers. This is especially true for parcel data. Metadat at the service level will be written by MDP for parcel data to go along with the MD iMap refresh process	1/4/11; 12/21/10; 10/5/10; 8/3/10; 7/12/10; 6/22/10; 5/18/10 Submitted: 4/20/10	Subcommittee; Co-chairs
Cached Map Services • Draft email to be sent out concerning changes to on-demand/cached services	Updated: 12/7/10 Submitted: 11/16/10	Data & Resources Subcommittee Chair
Basemap Template Upgrade/Gazetteer Service Update • Submit additional comments for updates to Ashley Buzzeo • Obtain most up-to-date county boundary from SHA • Add state and county boundaries and Interstate and US Highways for all states adjacent to Maryland and NJ • Comments for changes should be sent to Ashley Buzzeo • Meeting to be scheduled to discuss next steps • Upgrade basemap using Esri template	Updated: 4/5/11 1/4/11; 12/21/10 Submitted: 10/19/10	CGIS; Data & Resources Subcommittee
Google Urchin • CCBC has updated through March 2011 and will post on portal • CCBC updating stats and will be posted to portal shortly • Check with Lisa Lowe to make sure she is able to handle additional questions that might come through the contact links from the Portal page (Tech Comm Co-Chairs) • Contact Ashley Buzzeo, Scott Jeffrey or Brad Davis with additional comments and clarifications needed to be included in the reports, so they are understandable to those viewing reports from the Portal (Tech Comm) • Manual has been generated for extracting web analytics from Google Urchin • Manual submitted for review by Technical Committee • Actively working on clarifying categories to be included on report • Provide categories to be included in statistical output report	Updated: 4/5/11 3/1/11; 12/7/10; 11/16/10; 10/5/10; 9/21/10 Submitted: 9/7/10	GIO; CGIS; Technical Committee

Categories have been provided to CGIS by GIO Meeting to address scheduled for 9/22/10 at CGIS		

Community Mapper
• **Revisit in 6 months**
    ◦ How many counties were approached?
    ◦ How big is the hole of Maryland?
• **State of MD will not be participating in program based on inability to sign agreement based on Esri's current terms**
	Updated:
	10/19/10;
	10/5/10;
	9/21/10
	
	Submitted:
	9/7/10
		Technical Committee

Application Submission Documentation • **Review and provide comments to CGIS**	Submitted: 11/16/10	Technical Committee

Education & Outreach Subcommittee:		
Description:	**Date Assigned:**	**Follow Up By:**
Ramona • **Send out available stats .pdf for review** • **Check with IT person for Ramona to get MD stats**	Updated: 3/15/11 Submitted: 3/1/11	Ashley Buzzeo
• **Link to Ramona needs to be added to MD iMap Portal webpage** ◦ **Embed search or have a one click link to Ramona**	Submitted: 3/1/11	Lisa Lowe & Kevin Coyne
• **Link to Merlin needs to be added to MD iMap Portal webpage**	Submitted: 12/21/10	Lisa Lowe
• **Discuss adding a feedback button to MD iMap Portal webpage**	Submitted: 12/21/10	Outreach Committee; Lisa Lowe
Email Blast • **Generate an email including a brief explanation of the Tech. Comm's vision and the Portal web address** • **Blast email to extended GIS community** • **Include updated Vision document**	Updated: 9/7/10; 5/18/10 Submitted: 4/20/10	Outreach Subcommittee
• **Recruit participants** • **Obtain feedback concerning how to improve upon current outreach strategies** • **Email potential new members directly**	Updated: 5/18/10; 4/20/10 Submitted: 3/16/10	Outreach Subcommittee
• **Proactive Marketing of MD iMap**	Submitted: 9/21/10	Outreach Subcommittee

Security Subcommittee:		
Description:	**Date Assigned:**	**Follow Up By:**

Charter	Submitted:	Security
• Generate a charter	12/7/10	Subcommittee

Security Model		Security Subcommittee
• Price quotes from proposal submission to be updated • Additional documentation needed to address: o Cost of Delay o Justification of security (limitations, efficiencies) o Needs Assessment to determine groups and definitions • Schedule meeting for Friday, October 22, 2010 to formalize document and format presentation for October 27, 2010 Exec. Comm. meeting • Generate detailed document and presentation for October 27, 2010 Exec. Comm. meeting • Document for presentation to Exec. Comm. at Oct. meeting • Demo accompanying document to Exec. Comm. at Oct. meeting • In progress, to be submitted by next Tech. Comm. meeting (10/5/10)	Updated: 3/1/11; 10/27/10; 10/19/10; 9/21/10 Submitted: 8/3/10	

COMPLETED ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
GIS for Business Conference • Fill out contact sheet and submit to Scott Jeffrey • Send Scott Jeffrey names of additional individuals who should attend • Register for the conference, if you haven't already	Submitted: 3/1/11	Technical Committee

Introductions
• *Round-the-room.*

Application Subcommittee Updates:

• Agency Agreement concerning the posting of application code on portal
 o Action Item; Schedule Application Subcommittee meeting to discuss Branding
• Interface Branding
 o Come up with consistent look and feel of mapping interface
 o 2 or 3 different standards from recent applications, mix and match is possible
 o Can add additional functional on top of these "base" standards
 o Common elements are consistent on all interactive mapping applications
 o Create templates for base navigation/tool requirements and provide templates to developers
 o Suggest development community handle the details of the templates
  § This would perhaps be a group that spins off from Technical Committee and drives these topics while keeping in communication with Technical Committee
 o Action Item: Get documentation from Kaushik Dutta to start/restart discussion – Kenny Miller
 o Will need to be able to modify template and be flexible and upgradeable
 o Id elements to lock down (standard objects)
  § Slider
  § Widget windows

- § Navigation (zoom in/zoom out)
- Action Item; Development of a contact list of developers (Flex/Silverlight code)

- **Mobile Mapping Application Workgroup Creation**
  - o **iPhone, Blackberry and Droid operating systems are unique and can provide challenging when distributing applications across all three platforms**
  - o **No one application can be developed and pushed out for all three operating systems**
  - o **Suggest that Plan Maryland be used as pilot**
    - § **No funding, exploration only at this time**
  - o **Pick a small group to advise and see where to proceed**
  - o **Web GIS mobile from Esri already available à need to investigate**
    - § **Templates available**
    - § **Suggest developing a webpage output that is designed for small screens/look like an application**
  - o **JavaScript highly relevant for this programming across platforms**

Data & Resources Subcommittee Updates:
- **Cache-on-demand**
  - o **Was turned on, but had to be turned back off on production servers**
  - o **Some tiles showing white tiles/dummy feature class**
  - o **Actual feature class needs to be added on production servers**
  - o **Deadline: Mid-April for relaunch**

- **WFS**
  - o **DNR layers were tested and majority of layers were successful**
  - o **2 failed – 2 layers in TOC, pointing to the same feature class will cause an error**
  - o **Plan to audit current map services and count how many are affected by this scenario**
  - o **Future brainstorming of work around**
  - o **Plan to reach out to Esri to address this issue**
  - o **Action Item: List of enable services, email to group – Ashley Buzzeo**
  - o **Action Item: Top 10 list to be assembled during next Data & Resources Subcommittee meeting**
    - § **Next Data & Resources Subcommittee meeting to be scheduled after TUgis**
  - o **Several DNR layers have been WFS enabled. Six services can not be enabled and eight failed due to them being based on MSDs instead of MXDs.**

- **Eastern Shore Imagery Assimilation**
  - o **Tiled or mosaiced delivery?**
  - o **.tiffs loaded into ArcSDE at CGIS à script used to quickly complete this task**
  - o **Cache directly from ArcSDE mosaic**
  - o **Mosaiced (.ecw) format files from Michael Scott, lossy?**
  - o **When are the images to be delivered?**
  - o **Build it/stitch it together, even if delivered in pieces**
  - o **Still space "concerns" on servers, keeping an eye on available space**
  - o **Analysis of efficiency of loading SIDs rather than .tiffs**
  - o **EDGE Server, Cloud Server options to be considered concerning space on MD iMap servers à funding?**
    - § **EDGE is a single server, with no back-up services having been purchased**
    - § **6" imagery being served through Esri's ImageServer**

- o Action Item: Check server space available versus need – CGIS
- o Action Item; Cost of additional storage space on servers to host new imagery.
- o Have space on servers for new caches and data updates. Do not have infrastructure for cache on demand.
- o Idea – possibly using Cloud to process imagery to create cache.
- o Western shore will be 4-band. Vendor will process and provide cache and set up service for QA/QC.

Outreach Subcommittee Updates:

- No update.

Security Subcommittee Updates:

- No update.

ESRI Mobile Application Presentation:

- In ver. 10 a new "feature service" fo web editing which can be used on web or with mobile device
- Applications can be developed for IOS, Windows, Android
- Blackberry – must purchase freelance package to be able to publish services for Blackberry
- City of Washington DC has standardized on Java script.

-END MEETING-